

ABSTRACT

A color scintillator 26 comprises: an optical substrate 30 having bundled optical fibers; an acicular scintillator 50 provided with the optical substrate 30, the acicular scintillator having either of an acicular crystal structure and a columnar crystal structure, the acicular scintillator reacting with at least one of an electromagnetic wave and a radial ray into light emitting; and a coating scintillator 51 coating the acicular scintillator 50, the coating scintillator reacting with at least one of another electromagnetic wave and another radial ray which differ in either of an energy and a type from the electromagnetic wave and the radial ray reacting with the acicular scintillator 50 into light emitting in a different color from an emitting color in the acicular scintillator 50.